

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) A system capable of communicating with plural
2 devices on one or more networks, comprising:
3 a storage module to store address and port translation information; and
4 a controller adapted to:
5 receive a data unit from a first network, the data unit having a
6 source address, a source port, a destination address, and a destination port,
7 ~~the controller adapted to further~~ translate both the source address
8 and the destination address of the data unit and both the source port and destination port
9 of the data unit based on the address and port translation information,
10 partially create the address and port translation information in
11 response to a request corresponding to a first Session Initiation Protocol (SIP) message to
12 set up a communications session between a first device and a second device; and
13 complete the address and port translation information in response
14 to a second request corresponding to a SIP acknowledgment message responsive to the
15 first SIP message.

- 1 2. (Previously Presented) The system of claim 1, wherein the address and
2 port translation information contains a first address and port associated with a first device
3 and a second address and port associated with a second device, the address and port
4 translation information to map the first address and port to a first alias address and port
5 and to map the second address and port to a second alias address and port.

- 1 3. (Previously Presented) The system of claim 1, wherein the controller is
2 adapted to further transmit the data unit containing the translated source address and
3 source port and destination address and destination port to the first network or another
4 network.

- 1 4. (Cancelled)

1 5. (Previously Presented) The system of claim 1, wherein the data unit
2 comprises an Internet Protocol (IP) header having a source IP address and a destination
3 IP address, and a User Datagram Protocol (UDP) header having a source UDP port and a
4 destination UDP port, and wherein the controller is adapted to translate both the source IP
5 address and destination IP address and both the source UDP port and destination UDP
6 port.

1 6. (Original) The system of claim 1, wherein the data unit contains Real-
2 Time Protocol data.

1 7. (Original) The system of claim 1, wherein the controller comprises a
2 media portal adapted to communicate data units containing media data between plural
3 devices, the system further comprising an agent adapted to perform call control signaling
4 to establish a call session in which the data units are communicated.

1 8. (Previously Presented) The system of claim 7, wherein the agent is
2 adapted to communicate requests to the controller to dynamically create and update the
3 address and port translation information in a call session.

1 9. (Original) The system of claim 1, wherein the data unit comprises a data
2 unit to be communicated between at least two devices in a call session.

1 10. – 11. (Cancelled)

1 12. (Currently Amended) A method of communicating between two
2 endpoints, comprising:
3 in a communications portal, providing a first interface to a first device and
4 providing a second interface to a second device;
5 transporting data units, through the communications portal, between the
6 first device and the second device;
7 the communications portal hiding an address of the first device from the
8 second device and hiding an address of the second device from the first device;
9 storing address translation information;
10 translating both a source address and a destination address of each data
11 unit;
12 ~~storing port translation information; and~~
13 ~~translating both a source port and a destination port of each data unit~~
14 partially creating the address translation information in response to a first
15 Session Initiation Protocol (SIP) message to set up a communications session between the
16 first device and the second device; and
17 completing the address translation information in response to a SIP
18 acknowledgment message responsive to the first SIP message.

1 13. (Currently Amended) The method of claim [[12]] 30, wherein translating
2 the source and destination addresses and ports comprises translating Internet Protocol
3 addresses and User Datagram Protocol ports.

1 14. (Currently Amended) The method of claim 12, wherein storing the
2 address translation information ~~and port translation information~~ comprises storing a first
3 device address ~~and port~~ associated with the first device and a second device address ~~and~~
4 ~~port~~ associated with the second device, and storing a first alias address ~~and port~~ mapped
5 to the first device address ~~and port~~ and a second alias address ~~and port~~ mapped to the
6 second device address ~~and port~~.

1 15. (Currently Amended) The method of claim 14, wherein providing the first
2 interface comprises providing the second alias address ~~and port~~ to represent the second
3 device to the first device, and providing the second interface comprises providing the first
4 alias address ~~and port~~ to represent the first device to the second device.

1 16. (Currently Amended) An article comprising at least one storage medium
2 containing instructions that when executed cause a system to:

3 store address translation information;
4 receive a data unit containing a source address and a destination address;
5 translate both the source and destination addresses of the data unit based
6 on the address translation information;
7 partially create the address translation information in response to a ~~request~~
8 first request corresponding to a first Session Initiation Protocol (SIP) message to set up a
9 communications session between a first terminal and second terminal; and
10 complete the address translation information in response to [[an]] a second
11 request corresponding to a SIP acknowledgment message responsive to the request first
12 SIP message.

1 17. (Original) The article of claim 16, wherein the instructions when executed
2 cause the system to further store the address translation information as an entry in an
3 address translation table having plural entries.

1 18. (Original) The article of claim 17, wherein the instructions when executed
2 cause the system to use different entries of the address translation table for different
3 communications sessions.

1 19. (Original) The article of claim 16, wherein the instructions when executed
2 cause the system to transmit the data unit with the translated source and destination
3 addresses.

1 20. (Cancelled)

1 21. (Original) The article of claim 16, wherein the instructions when executed
2 cause the system to further store port translation information, and to translate both the
3 source and destination port of the data unit based on the port translation information.

1 22. (Original) The article of claim 16, wherein the instructions when executed
2 cause the system to receive the data unit comprising an Internet Protocol packet.

1 23. (Previously Presented) The article of claim 16, wherein the instructions
2 when executed cause the system to further:

3 allocate an address for the communications session, the address being part
4 of the address translation information; and

5 deallocate the address in response to termination of the communications
6 session.

1 24. (Previously Presented) The article of claim 23, wherein the instructions
2 when executed cause the system to further use the deallocated address for another
3 communications session as needed.

1 25. (Currently Amended) The article of claim 16, wherein the ~~request to set~~
2 ~~up the communications session first SIP message~~ comprises a ~~Session Initiation Protocol~~
3 ~~(SIP)~~ SIP Invite message, and the SIP acknowledgment message comprises a SIP OK
4 message.

1 26. (Cancelled)

1 27. (Currently Amended) The system of claim [[26]] 1, wherein the ~~request to~~
2 ~~set up the communications session first SIP message~~ comprises a ~~Session Initiation~~
3 ~~Protocol (SIP)~~ SIP Invite message, and the SIP acknowledgment message comprises a
4 SIP OK message.

1 28. (Cancelled)

1 29. (Currently Amended) The method of claim [[12]] 30, wherein translating
2 the source address and destination address of each data unit and translating the source
3 port and destination port of each data unit is performed by the communications portal.

1 30. (New) The method of claim 12, further comprising:
2 storing port translation information; and
3 translating both a source port and a destination port of each data unit.